Request to Archive
With The National Centers for Environmental Information
For Automated data stream from the Surface Ocean CO2 Atlas (SOCAT) Project
Provided by NOAA/PMEL

2017-02-13

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?
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2. Name the organization or group responsible for creating the dataset.
NOAA Pacific Marine Environmental Laboratory

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.
Carbon dioxide data in the surface ocean collected from surface underway in the global oceans. The main variables are partial pressure of carbon dioxide, along with sea surface temperature and sea surface salinity.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)
From 1950
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:
N/A

6. Approximate date when the dataset was or will be released to the public:
2017

7. Who are the expected users of the archived data? How will the archived data be used?
ocean carbon scientists and general public from around the world.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?
No

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?
Part of the ocean carbon data NCEI transferred from CDIAC.

10. List the input datasets and ancillary information used to produce the data.
It was done by international scientists through the SOCAT project.

11. List web pages and other links that provide information on the data.

www.socat.info

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. Metadata will be formed according to the OADS XML.

13. Indicate the data file format(s).

1. CSV

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

Not available

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

Not available

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 10GB
Number of Data Files: 100000

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

Revisions or updates are likely, but not major.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: Seattle, WA, USA.
System Name: Unknown
System Owner: NOAA/Pacific Marine Environmental Laboratory
Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

If these data are not automated, it will consume a huge amounts of NCEI's labor and resources to manually publish them into the Archives.

24. Are the data archived at another facility or are there plans to do so? Please explain.

No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

No

26. Do you have a data management plan for your data?

Data will be managed through the newly formed Ocean Carbon Data System (OCADS) project.

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

29. Is there a desired deadline for NCEI to archive and provide access to the data?

No deadlines for archive or access.

30. Add any other pertinent information for this request.

None